| li.                | ndex of Cl                                  | aims |                            | Applic | atic | n/Control No. |   | Applicant(s)/Pat Reexamination | ent under |
|--------------------|---|------|----------------------------|--------|------|---------------|---|--------------------------------|-----------|
|                    |   |      |                            | 10/08  | 8,46 | 88            |   | NISHIO ET AL.                  |           |
|                    |   |      |                            | Exami  | ner  |               |   | Art Unit                       |           |
| 1 18 1 1 1 1 1 1 1 | <b>                                    </b> |      |                            | Richa  | rd L | ee            |   | 2621                           |           |
| <b>√</b>           | Rejected                                    |      | (Through nume<br>Cancelled | ral)   | N    | Non-Elected   | A | Appeal                         |           |
|                    |   |      | Restricted                 |        |      | Interference  | 0 | Objected                       |           |

| Cla           | aim      |            |           |   | Ţ            | Dat          | е  |                 |                 |           | Cla                  | im       |               |          |         | Date          |          |          |              | ]            | Cla                  | aim        |               |          |          | D        | ate      |         |         |              |
|---------------|----------|------------|-----------|---|--------------|--------------|--|-----------------|-----------------|-----------|----------------------|----------|---------------|----------|---------|---------------|----------|----------|--------------|--------------|----------------------|------------|---------------|----------|----------|----------|----------|---------|---------|--------------|
|               | -        |            |           |   |              |              |  |                 |                 |           |                      | <u>=</u> |               |          |         |               | Ī        |          |              |              |                      | <u></u>    |               |          | .        |          |          |         |         |              |
| Final         | Original | 8/2/06     |           |   |              |              |  |                 |                 |           | Final                | Original |               |          |         |               | ł        |          |              |              | Final                | Original   |               |          |          |          |          |         |         |              |
| 证             | Ĕ,       | 8/2        |           |   |              |              |  |                 |                 |           | ΙĒ                   | ij       |               |          |         |               |          |          |              |              | i Ē                  | 풀          |               |          |          | ı        |          |         |         |              |
|               |          |            |           |   |              |              |  |                 |                 |           |                      |          |               |          |         |               |          |          |              |              |                      |            |               |          |          |          |          |         | 1.      |              |
|               | 1        | Ŀ          |           |   |              |              |  |                 |                 |           |                      | 51       |               |          |         |               |          |          |              |              |                      | 101        | $\Box$        |          | _        |          |          |         | $\perp$ |              |
|               | 2        | Ŀ          |           |   |              |              |  |                 |                 |           |                      | 52       |               |          |         |               |          |          |              |              |                      | 102        |               |          | $\perp$  |          |          |         |         |              |
|               | 3        | -          |           |   |              |              |  |                 |                 | ╛         |                      | 53       |               |          | ŀ       |               | $\perp$  |          |              | J            |                      | 103        |               |          | $\perp$  |          |          |         |         |              |
| <u> </u>      | 4        | <u> -</u>  |           |   | L            |              |  |                 |                 |           |                      | 54       |               |          |         |               | $\perp$  | L        |              | ]            |                      | 104        | _             | $\perp$  | ᆚ        |          |          | $\perp$ |         |              |
|               | 5        | <u> </u> - |           |   | L            |              |  |                 | $\perp$         | _         |                      | 55       |               |          |         |               | _        | $\perp$  | $\bot$       | J            |                      | 105        | ightharpoonup |          | _        | _        |          | $\perp$ |         |              |
| <u></u>       | 6        | Ŀ          |           |   | <u> </u>     | 辶            | <u> </u>   |                 |                 | _         |                      | 56       |               |          | $\perp$ | $\sqcup$      | 4        | _        | $\perp$      | 1            |                      | 106        | $\perp$       | _        | $\dashv$ | 4        | _        | 4       | _       | _            |
|               | 7        | <u>  -</u> | Ш         |   | L            | ļ            |  |                 |                 | 4         |                      | 57       |               |          | 4_      | 1-1           | _        | _ _      | _            |              |                      | 107        | 4             | _        | 4        |          | _        | $\perp$ | 4       | <del> </del> |
|               | 8        | Ŀ          |           |   | _            | <u> </u>     | <u> </u>   | $\Box$          |                 | 4         |                      | 58       |               |          |         |               | 4        | $\perp$  | $\bot$       |              |                      | 108        | _             | _        | 4        | _        | $\perp$  | _ _     | _       |              |
|               | 9        | Ŀ          | Ш         |   | <u> </u>     | _            | ļ.,  |                 |                 | _         |                      | 59       |               |          | _       | 1             | 4        |          | _            | 4            |                      | 109        | 4             | $\perp$  | 4        | _        | _        | _       | $\perp$ | $\perp$      |
|               | 10       | -          | Ш         |   | <u></u>      | <u> </u>     | <u> </u>   | Ш               |                 | 4         | <u></u>              | 60       |               |          |         | $\bot$        | _        | $\perp$  | Ц.,          | 1            |                      | 110        | _             | $\perp$  | _        | $\dashv$ | _        |         |         | 4            |
| L             | 11       | -          | Щ         |   | <u> </u>     | ـــــ        | <u> </u>   |                 | $\perp$         | 4         | L                    | 61       | $\dashv$      | _        | 4_      | 4-4           | 4        | 4        |              | 1            |                      | 111        | 4             | $\perp$  | $\dashv$ | _        | $\dashv$ | _       | $\perp$ | $\bot$       |
| <u> </u>      | 12       | Ŀ          |           |   | <u> </u>     |              | <del> </del>   | $\sqcup$        |                 | 4         |                      | 62       | $\sqcup$      | _        |         | $\sqcup$      | _        | _        |              | 1            |                      | 112        | 4             | _        | 4        | _        | $\perp$  | $\perp$ | _       | $\perp$      |
| <u> </u>      | 13       | <u>  -</u> | Ш         |   | <u> </u>     | <u> </u>     | <u> </u>   | Ш               | $\perp$         | 4         |                      | 63       | $\sqcup$      |          | 4_      | $\sqcup$      | _        | 4        | -            | 1            |                      | 113        | 4             | $\dashv$ | $\dashv$ | _        | +        | _       | $\perp$ | 4            |
| <u> </u>      | 14       | Ŀ          |           |   | L.           |              | <u> </u>   |                 |                 | 4         |                      | 64       |               |          |         | $\sqcup$      | 4        | _        | $\perp$      | 1            |                      | 114        | 4             | $\dashv$ | $\dashv$ | _        | $\perp$  | _       | _       | 4_           |
|               | 15       | -          | Ш         | _ | <u> </u>     | $\vdash$     | <u> </u>   | Ш               |                 | 4         |                      | 65       | $\sqcup$      | _        |         | 4-4           | 4        | -        |              | -            |                      | 115        | $\dashv$      | $\perp$  | $\dashv$ | _        | $\perp$  | 4       | 4       | 4            |
| <u> </u>      | 16       | -          | Ш         | _ | <b> </b>     | ₩            | ↓_   | Щ               | $\vdash \vdash$ | 4         |                      | 66       | $\sqcup$      | _        | 4       | +             | 4        | 4        | -            | 1            |                      | 116        | 4             | _        | $\dashv$ | _        | -        | -       | 4       | +-           |
|               | 17       | <u>  -</u> |           |   | <u> </u>     | <u> </u>     | <b>├</b>   | Ш               | _               | 4         |                      | 67       | $\dashv$      | _        | -       | $\sqcup$      | $\dashv$ | _        | +            | -            | ļ                    | 117        | 4             | 4        | 4        | -        | $\dashv$ | -       | 4       |              |
| <u> </u>      | 18       | ١.         |           |   | ļ            | <u> </u>     | ļ  | Ш               | -               | 4         |                      | 68       | _             | _        | _       | $\sqcup$      | $\dashv$ | $\dashv$ | $\bot$       | -            | 1                    | 118        | 4             | 4        | -        | -        | -        | -       | 4       |              |
| <u> </u>      | 19       | <u> -</u>  | $\Box$    |   | _            | <u> </u>     | ļ  |                 | $\perp$         | 4         |                      | 69       | _             |          | 4       | +             | 4        | -        | +            | 4            | <u> </u>             | 119        | _             | +        | 4        | _        | $\dashv$ | _       | +       | $\perp$      |
|               | 20       | -          |           |   |              | ┞            | ├_   | H               | -               | 4         |                      | 70       |               | -        |         | +             | 4        | -        | +            | 4            | -                    | 120        | -             | +        | -        | $\dashv$ | -        | 4       | -       | $\perp$      |
|               | 21       | -          |           |   | _            | _            | ╙  | <u> </u>        |                 | 4         | $\vdash$             | 71       |               | _        | -       | $\vdash$      | _        | _        | +            | -            | <u> </u>             | 121        | 4             | 4        | 4        | _        |          | 4       | _       | +-           |
|               | 22       | -          | Ш         |   | <u> </u>     | ┞            | ┡  | Ш               |                 | _         |                      | 72       | $\rightarrow$ | -        | _       | $\vdash$      | $\dashv$ | +        | +            | -            | L                    | 122        | 4             | -        | 4        | -        | -        | 4       | 4-      | 4-4          |
|               | 23       | -          |           |   | _            | <u> </u>     | _  |                 |                 | 4         |                      | 73       | _             | $\perp$  | -       | $\vdash$      | 4        | -        | _            | 4            | $\vdash$             | 123        | -             | $\dashv$ | 4        |          | +        | -       | 4       | -            |
|               | 24       | -          | -         |   | _            | ļ            | ┞  |                 |                 | 4         | $\vdash$             | 74       |               | -        |         | $\vdash$      | 4        | _        | +            | 4            | -                    | 124        | $\dashv$      | +        | +        | $\dashv$ | $\dashv$ | +       | +       | 4            |
| <u> </u>      | 25       | -          |           |   | _            | ┞            | ┡  | Н               |                 | 4         |                      | 75       |               | -        | -       | 1-1           | -        | -        |              | 4            | <b> </b>             | 125        | _             | 4        |          | 4        | _        | 4       | +       |              |
| <u> </u>      | 26       | -          |           |   | _            |              | <u> </u>   | Ш               | _               | 4         |                      | 76       |               | $\dashv$ | +       | +             | 4        |          | _            | -            | -                    | 126        | $\dashv$      | +        | $\dashv$ | $\dashv$ | _        | +       | -       |              |
|               | 27       | Ŀ          |           |   | ļ            | <b> </b>     | <u> </u>   | Н               | _               | 4         |                      | 77       | $\dashv$      | $\perp$  |         | <del>  </del> | _        | _        | _            | -            | $\vdash$             | 127        | -             | -        | +        | $\dashv$ | -        | +       | +       | +            |
|               | 28       | -          | $\square$ |   | <u> </u>     | ├-           | <u> </u>   |                 | +               | -         |                      | 78       | $\dashv$      | +        | +-      | ╁┷┼           | 4        | -        |              | -            | $\vdash$             | 128        | -+            | +        | $\dashv$ | $\dashv$ | +        | +       | +       |              |
| -             | 29       | <u> </u>   |           |   | <u> </u>     | ⊢            |  | Н               | -               | 4         | $\vdash$             | 79       | $\dashv$      | -        | +-      | +-+           | -        |          | <del>-</del> | -            | $\vdash$             | 129<br>130 | +             | +        | +        | $\dashv$ | +        | +       | ┿       | +-           |
| ļ             | 30       | Ŀ          |           |   | <del> </del> | ┢            | -  | $\vdash$        |                 | 4         | $\vdash$             | 80       | $\dashv$      |          | -       | ╁             | +        | +        | +            | -            | $\vdash$             |            | -+            | +        | +        | -        | _        | +       | +       | +            |
|               | 31       | Ŀ          | $\vdash$  |   |              | $\vdash$     | ₩  | Н               |                 | $\dashv$  | $\vdash$             | 81       |               | +        | +       | 1-1           | $\dashv$ | -        | +            | 1            |                      | 131<br>132 | -+            | +        | -        |          | +        | +       | +       |              |
| <b>-</b>      | 32       | -          | $\vdash$  |   | $\vdash$     | -            | ├-   | Н               | +               | 4         | $\vdash$             | 82<br>83 | $\dashv$      | -        | +-      | $\vdash$      | $\dashv$ | $\dashv$ | +            | 1            | $\vdash\vdash\vdash$ | 132        | $\dashv$      | $\dashv$ | $\dashv$ | -+       |          | +       | +       | +            |
| _             | 33       | <b>√</b>   | $\dashv$  |   |              |              | <del> </del>   | $\vdash$        | +               | $\dashv$  | $\vdash$             | 84       | +             | +        | -       | ╁╌┼           | +        |          |              | 1            | -                    | 133        | $\dashv$      | $\dashv$ | +        | $\dashv$ | $\dashv$ | +       | +-      | +-           |
|               | 34<br>35 | <b>√</b>   |           |   | -            | -            |  | $\vdash$        | +               | 4         | $\vdash$             | 85       | $\dashv$      | +        | +-      | $\vdash$      | -        | +        | ┿            | ┨            | $\vdash$             | 135        | $\dashv$      | +        | +        | $\dashv$ | +        | +       | +       | +            |
|               | 36       |            | -         |   | <del> </del> | -            |  | $\vdash$        | -+-             | $\dashv$  | $\vdash$             | 86       | $\dashv$      | +        | +       | ╂╼┼           | +        | +        | +            | $\mathbf{I}$ | }                    | 136        | +             | +        | $\dashv$ | $\dashv$ | $\dashv$ | +       | +       | +-           |
| <b> </b>      |          | √<br>/     | $\vdash$  |   | -            | -            | $\vdash$   |                 |                 | 4         | $\vdash\vdash\vdash$ | 87       | -+            | +        | -       | + +           | +        | +        | +            | 1            | $\vdash$             | 136        | +             | +        | $\dashv$ |          | +        | +       | +       | -            |
|               | 37       | \<br>\     |           | _ | -            | $\vdash$     | -  | $\vdash\vdash$  | -+-             | 4         |                      | 88       | $\dashv$      | -        |         | ₩             | -+       | +        | +-           | ┨            | $\vdash$             |            | $\dashv$      | +        | $\dashv$ | $\dashv$ | +        | +       | +       | +            |
| <u> </u>      | 38       | <b>√</b>   |           | _ |              | <del> </del> | -  | $\vdash$        |                 | $\dashv$  | $\vdash$             | 89       | -             | +        | +-      | ┼╌┼           | $\dashv$ | -+-      | +-           | 1            | $\vdash$             | 138<br>139 |               |          | +        | $\dashv$ | +        | +       | +       | ╁            |
|               | 39<br>40 | 7          |           |   | $\vdash$     | <del> </del> | -  | $\vdash$        | +               | -         | $\vdash\vdash$       | 90       | $\dashv$      | -        | +       | +             | -+       |          | +            | 1            | $\vdash$             | 140        | +             | +        | $\dashv$ | -        | +        | +       | +       | +            |
| <u> </u>      |          | <b>√</b>   | $\vdash$  |   | <del> </del> | $\vdash$     | -  | $\vdash$        | +               | $\dashv$  | $\vdash$             |          | $\dashv$      | +        | +       | +             | +        | +        | +            | 1            | $\vdash$             |            | $\dashv$      |          | $\dashv$ | $\dashv$ | $\dashv$ | +       | +-      | +            |
| <u> </u>      | 41       | <b>√</b>   | $\vdash$  |   |              | -            | ├  | $\vdash$        | $\dashv$        | 4         |                      | 91<br>92 | $\dashv$      | +        | +       | ┼┼            | -+       | +        | +            | 1            | $\vdash$             | 141        | +             | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +       | +       | +            |
|               | 42       | <          |           |   | $\vdash$     | -            |  | $\vdash \vdash$ | +               | ┥         | $\vdash$             | 92       | $\dashv$      | +        | +       | ╁┼            | $\dashv$ | +        | +            | -            | $\vdash$             | 143        | +             | +        | $\dashv$ | +        | +        | +       | ╁       | +            |
| -             | 44       |            | -         |   | -            | ├            | $\vdash$   | ┝┥              |                 | ┨         | $\vdash$             | 93       | $\dashv$      | $\dashv$ | +       | ┼-┼           | +        | +        | +            | 1            | $\vdash$             | 144        | +             | +        | $\dashv$ | $\dashv$ | +        | +       | +       | +            |
| <del>  </del> | 45       | $\vdash$   |           |   | <del> </del> | -            | -  | $\vdash \vdash$ | +               | $\dashv$  | -                    | 95       | +             | +        | +       | ╁┼            | $\dashv$ | +        | +            | 1            | $\vdash$             | 145        | +             | +        | +        | +        | +        | +       | +       | +            |
|               | 46       | Щ          |           | _ | $\vdash$     | H            | -  | $\vdash$        | -               | -         |                      | 96       | +             | +        | +-      | ++            | +        | +        | +            | 1            | $\vdash$             | 145        | +             | +        | +        | $\dashv$ | +        | +       | +       | +            |
| <del></del>   | 46       | $\vdash$   | $\dashv$  | _ | $\vdash$     | -            | $\vdash$   | $\vdash \vdash$ | -+-             | $\forall$ | $\vdash$             | 97       | $\dashv$      | +        | +-      | ╁┼            | +        | +        | +-           | 1            | $\vdash$             | 147        | +             | $\dashv$ | $\dashv$ | $\dashv$ | +        | ╫       | +-      | +            |
| <del>  </del> | 48       | Н          | $\dashv$  | _ |              | $\vdash$     | ┢  | ┝╌┤             | +-              | 1         | $\vdash$             | 98       | +             | +        | +       | ++            | $\dashv$ | -+       | +            | 1            | $\vdash$             | 148        | +             | +        | +        | $\dashv$ | $\dashv$ | +       | ╁       | ╁            |
| $\vdash$      | 49       | $\vdash$   | $\dashv$  | - | $\vdash$     | $\vdash$     | ├  | ⊢∤              |                 | ┨         | $\vdash$             | 99       | $\dashv$      | +        | +-      | ↤             | $\dashv$ | $\dashv$ | ╁            | 1            | $\vdash$             | 149        | +             | +        | $\dashv$ | $\dashv$ | +        | +       | +-      | +            |
|               | 50       | -          |           | _ | -            | -            | $\vdash$   | ┝╌┤             |                 | $\dashv$  | $\vdash$             | 100      | $\dashv$      | $\dashv$ | +-      | ╁┼            | +        | +        | +-           | 1            | -                    | 150        | +             | +        | +        | $\dashv$ | +        | +       | ┿       | ╂┥           |
|               | _ວບ_     |            |           |   | Щ            |              | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | ш               |                 | J         | $\sqcup$             | 100      | L             |          |         |               | L        |          |              | j            |                      | 100        |               |          |          | _1       |          |         |         | L.,          |